

LISTING OF CLAIMS:

1. (Currently amended) A system for screening micro-waviness [[of a disk having micro-waviness]] comprising: [[the]]

a disk,

a head comprising a detector, and

a software or a hardware that [[measures]] calculates a slope,

said slope being a change in [[of]] an output of the detector versus a corresponding change in either (a) a linear velocity of the disk or (b) a fly height of the head, wherein the system measures micro-waviness by increasing an RPM of the disk.

2. (Original) The system of claim 1, wherein the detector is a piezoelectric transducer.

3. (Original) The system of claim 2, wherein the output is voltage.

4. (Currently amended) The system of claim 1, wherein the output increases with an increase in the linear velocity or the fly height and the slope is positive.

5. (Original) The system of claim 1, wherein the output substantially correlates with a micro-waviness of a disk measured by an optical surface topography metrology tool.

6. (Original) The system of claim 1, wherein the head is calibrated against a standard head.

7. (Original) The system of claim 1, wherein the disk is a magnetic recording disk.

8. (Original) The system of claim 1, wherein the detector picks up disk micro-waviness induced air-bearing resonance.

9. (Original) The system of claim 1, wherein the disk comprises asperities and waviness.

10. (Currently amended) A system for screening micro-waviness [[of a disk having micro-waviness]] comprising: [[the]]

a disk,

a head comprising a detector, and

means for [[measuring]] calculating a slope,

said slope being a change in [[of]] an output of the detector versus a corresponding change in either (a) a linear velocity of the disk or (b) a fly height of the head, wherein the system measures micro-waviness by increasing an RPM of the disk instead of relying on a glide avalanche as a measure of determining disk micro-waviness.

11. (Currently amended) A method for screening a disk [[having micro-waviness]] comprising:

detecting air bearing resonance by a detector in a head, and

[[measuring]] calculating a slope,

said slope being a change in [[of]] an output of the detector versus a corresponding change in either (a) a linear velocity of the disk or (b) a fly height of the head, wherein the system measures micro-waviness by increasing an RPM of the disk instead of relying on a glide avalanche as a measure of determining disk micro-waviness.

12. (Original) The method of claim 11, further comprising measuring micro-waviness of the disk.

13. (Original) The method of claim 11, wherein the detector is a piezoelectric transducer.

14. (Original) The method of claim 13, wherein the output is voltage.

15. (Currently amended) The method of claim 11, wherein the output increases with an increase in the linear velocity or the fly height and the slope is positive.

16. (Original) The method of claim 11, wherein the output substantially correlates with a micro-waviness of a disk measured by an optical surface topography metrology tool.

17. (Original) The method of claim 11, wherein the head is calibrated against a standard head.

18. (Original) The method of claim 11, wherein the disk is a magnetic recording disk.

19. (Original) The method of claim 11, wherein the disk comprises asperities and waviness.

20. (New) A system for screening micro-waviness of claim 1, wherein the system measures micro-waviness by increasing an RPM of the disk instead of relying on a glide avalanche as a measure of determining disk micro-waviness.